

Comparisons of Job Characteristics

Focus Occupation: [Natural Sciences Managers \(11-9121\)](#)

Associated Occupation: [Foresters \(19-1032\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 72

Focus Occupation: Natural Sciences Managers (11-9121)

Associated Occupation: Foresters (19-1032)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Biology	3.7	12.8	11.8	0 Current knowledge level may be sufficient
Geography	3.9	9.0	5.9	<< Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 74

Focus Occupation: Natural Sciences Managers (11-9121)

Associated Occupation: Foresters (19-1032)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Monitoring	9.9	16.7	11.5	<< Extensive development of skills in this area may be required
Coordination	9.1	15.4	12.3	< A higher skill level may be required
Judgment and Decision Making	9.4	15.1	12.2	< A higher skill level may be required
Systems Analysis	6.5	14.6	9.9	<< Extensive development of skills in this area may be required
Complex Problem Solving	9.1	14.5	11.6	< A higher skill level may be required
Systems Evaluation	6.4	12.6	9.8	<< Extensive development of skills in this area may be required
Time Management	8.9	12.5	13.9	> Skill level is likely sufficient
Negotiation	6.8	11.9	8.5	<< Extensive development of skills in this area may be required
Management of Personnel Resources	6.9	11.8	13.2	> Skill level is likely sufficient

Management of Material Resources	3.7	7.5	6.5	<	A higher skill level may be required
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The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities	Similarity of Focus Occupation to Associated Occupation: 89
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Focus Occupation: Natural Sciences Managers (11-9121) Associated Occupation: Foresters (19-1032)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Problem Sensitivity	11.1	14.8	12.5	<	Some improvement in abilities may be required
Category Flexibility	9.0	13.0	11.6	<	Some improvement in abilities may be required
Originality	7.6	12.6	12.0	0	Current ability level may be sufficient
Time Sharing	6.6	8.4	5.0	<<	Extensive improvement in abilities may be required
Spatial Orientation	2.7	8.3	1.0	<<	Extensive improvement in abilities may be required
Dynamic Strength	3.5	6.6	1.0	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common	Similarity of Focus Occupation to Associated Occupation: 61
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Focus Occupation: Natural Sciences Managers (11-9121) Associated Occupation: Foresters (19-1032)	
Work Activities	Exclusivity of Activity
Adhere to safety procedures	12
Advise clients or customers	19
Analyze scientific research data or investigative findings	27
Communicate technical information	4
Conduct training for personnel	30
Confer with scientists	54
Develop plans for programs or projects	31
Develop policies, procedures, methods, or standards	21
Explain complex mathematical information	30
Make presentations	13
Prepare reports	8
Use library or online Internet research techniques	21
Use project management techniques	47
Use public speaking techniques	13

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: n/a

Focus Occupation: Natural Sciences Managers (11-9121)

Associated Occupation: Foresters (19-1032)

Tools and Technologies

Exclusivity

Tools and technology data is unavailable for one or both occupations.

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.